Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

HW#32: Algebraic Explanations

Honors Geometry

Due Date: Wednesday, Nov. 12th, 2014

**Failure to show all work and write in complete sentences will result in LaSalle!**

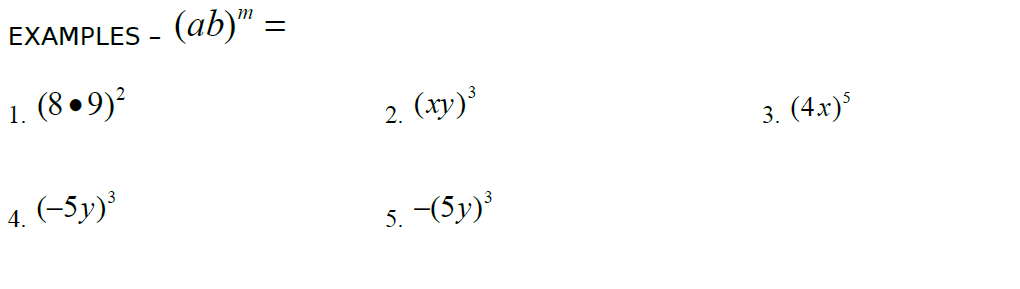
|  |  |  |
| --- | --- | --- |
| 1) Complete the logical argument by giving a reason for each step.    a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | 2) Solve the equation. Write a reason for each step.  -12x = 28 – 16x *(format like this)*  Equation Reason: |
| 3) Solve the equation. Write a reason for each step.  7(x-11) = 12 x - 122 | 4) Solve the equation for r. Write a reason for each step.  s = 4(2r +5) | |
| 5) Solve for r. Write a reason for each step. | 6) Solve for r. Write a reason for each step. | |





**Big Rock #3 HW Practice (distribution, negatives, division)**

Look over the rule and the provided example (boxed). Apply the exponent properties to simplify the remaining problems.



EXAMPLES-

|  |  |  |  |
| --- | --- | --- | --- |
| 1.  5. | 2.    6. | 3.  7. | 4.  8. |

